

Title (en)
Device and method for controlling the frequency characteristic of a filter

Title (de)
Vorrichtung und Verfahren zum Steuern der Frequenzcharakteristik eines Filters

Title (fr)
Arrangement et méthode pour commander la réponse fréquentielle d'un filtre

Publication
EP 0863623 B1 20060201 (EN)

Application
EP 98103725 A 19980303

Priority
JP 4937997 A 19970304

Abstract (en)
[origin: EP0863623A2] When the frequency band of an intermediate frequency (IF) signal input to a filter rises due to temperature variation, the center voltage corresponding to the IF signal also rises. As a result, a difference occurs between the center voltage and a preselected reference voltage. An output current produced by converting the difference is so output as to increase a control current, thereby shifting the frequency characteristic of the filter to the higher frequency side. When the frequency band of the IF signal falls due to temperature variation, the center voltage also falls. The resulting difference between the center voltage and the reference voltage is also transformed to an output current. This output current is so output as to reduce the control current with the result that the frequency characteristic of the filter is shifted to the lower frequency side.
<IMAGE>

IPC 8 full level
H04B 1/26 (2006.01); **H04B 7/26** (2006.01); **H03H 11/04** (2006.01); **H03H 11/12** (2006.01); **H03J 3/08** (2006.01); **H04B 1/16** (2006.01)

CPC (source: EP KR US)
H03H 7/12 (2013.01 - KR); **H03H 11/1239** (2013.01 - EP KR US); **H03J 3/08** (2013.01 - EP KR US)

Citation (examination)
US 5465410 A 19951107 - HIBEN BRADLEY M [US], et al

Cited by
EP1043837A1; FR2792140A1; US6968173B2

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EP 0863623 A2 19980909; **EP 0863623 A3 19990922**; **EP 0863623 B1 20060201**; CN 1203485 A 19981230; DE 69833345 D1 20060413; DE 69833345 T2 20061012; JP 3164008 B2 20010508; JP H10247858 A 19980914; KR 19980079871 A 19981125; US 6122496 A 20000919

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